

03040201-140

(Pee Dee River)

General Description

Watershed 03040201-140 is located in Florence and Marion Counties and consists primarily of the **Pee Dee River** and its tributaries from Jeffries Creek to the Lynches River. The watershed occupies 58,604 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Chastain-Tawcaw-Lakeland-Cantey series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 29.5% scrub/shrub land, 29.0% forested wetland, 28.9% forested land, 11.1% agricultural land, 1.3% water, and 0.2% urban land.

This section of the Pee Dee River accepts drainage from its upper reaches, together with Mill Branch, Bigham Branch, Barfield Mill Creek (Barfield Old Mill Creek, Brier Branch), the Catfish Creek Watershed, Bull Swamp (Ford Swamp), and Mulyns Creek. There are several oxbow lakes draining into the river including Dead River, Graves Lake, and Honey Lake. There are a few ponds and lakes (totaling 115.5 acres) in this watershed and a total of 92.2 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-076	P	FW	PEE DEE RIVER AT US 378

Pee Dee River (PD-076) - Aquatic life uses are not supported due to occurrences of copper in excess of the aquatic life acute standards, including a very high concentration of copper measured in 1995. In addition, there was a significant decreasing trend in dissolved oxygen, significant increasing trends in total phosphorus concentration and turbidity, and very high concentrations of chromium and zinc measured in 1995. Recreational uses are fully supported; however, there is a significant increasing trend in fecal coliform bacteria concentration.

A fish consumption advisory has been issued by the Department for mercury and includes the Pee Dee River within this watershed (see advisory p.115).

NPDES Program

Active NPDES Facilities

RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT	NPDES# TYPE LIMITATION
PEE DEE RIVER DELTA MILLS MKTG/CYPRESS PLT PIPE #: 001 FLOW: M/R	SCG250151 MINOR INDUSTRIAL EFFLUENT

BULL SWAMP
 B & M AQUACULTURE FARMS
 PIPE #: 001 FLOW: 2.50
 WQL FOR DO,TRC,NH3N,BOD5

SC0043281
 MINOR INDUSTRIAL
 WATER QUALITY

MILL BRANCH
 DELTA MILLS MKTG/PAMPLICO WWTP
 PIPE #: 001 FLOW: 0.0092
 WQL FOR DO,TRC,NH3N,BOD5

SCG250150
 MINOR INDUSTRIAL
 WATER QUALITY

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

LAND APPLICATION SYSTEM
FACILITY NAME

ND#
TYPE

SPRAYFIELD
 DELTA MILLS MKTG/PAMPLICO PLT

ND0004472
 INDUSTRIAL

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

MARION CERAMICS
 PEE DEE CERAMICS MINE

0050-67
 CLAY

TAW CAW SALES
 TAW CAW PLANTATION MINE

0889-67
 SAND

Water Supply

WATER USER (TYPE)
STREAM

REGULATED CAPACITY (MGD)
PUMPING CAPACITY (MGD)

DELTA MILLS MKTG (I)
 PEE DEE RIVER

3.85

Growth Potential

There is a low potential for growth in this rural watershed, which extends across the floodplain of the Pee Dee River. Except for a small portion of the Town of Pamplico, no public water or sewer service is available in the watershed.